

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	("5650807").URPN.	USPAT	OR	ON	2006/05/30 12:53
L2	23	("4413275"   "4521788"   "4611219"   "4630076"   "4683481"   "4712172"   "4723129"   "4847639"   "4894664"   "4914562"   "4914736"   "4969759"   "5148185"   "5156377"   "5156470"   "5156471"   "5156472"   "5156473"   "5174665"   "5221148"   "5328279"   "5367324"   "5421658").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 12:53
L3	15	("20020008734"   "4339762"   "4712930"   "4725859"   "4870433"   "4914562"   "4947189"   "4947193"   "5559543"   "5639386"   "5694191"   "5808640"   "6123419"   "6139130"   "6276775").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 12:54
L4	10	("4281333"   "5036337"   "5124716"   "5481287"   "6003973"   "6146915"   "6227640"   "6267468"   "6276775"   "6318847").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 13:00
L5	32	("4870433").URPN.	USPAT	OR	ON	2006/05/30 13:15
L6	11	("4339762"   "4514741"   "4870433"   "4894664"   "4935752"   "5293182"   "5367324"   "5428376"   "5477243"   "5808640"   "5835112").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 13:16
L7	11	("4339762"   "4458256"   "4514741"   "4870433"   "4935752"   "5212503"   "5455613"   "5475405"   "5808640"   "5835112"   "6123419").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 13:40
S1	2	"20050104918"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/07 10:34
S2	5	((("5,699,462") or ("6,487,333") or ("6,324,316") or ("6,195,478") or ("6,320,994")).PN.	USPAT	OR	OFF	2005/11/07 10:34
S3	5	((("5,699,462") or ("6,487,333") or ("6,324,316") or ("6,195,478") or ("6,320,994")).PN.	USPAT	OR	OFF	2006/01/05 09:34
S4	3	S3 and (ink with jet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:55
S5	3	("4988157"   "5699462"   "5978527").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 09:36
S6	2	S5 and (ink with jet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:37
S7	9388	agilent.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:55
S8	138	(heater with lead) same (integrated with circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 10:28
S9	0	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:56
S10	286	(heater same lead) same (integrated with circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:56

## EAST Search History

S11	0	S7 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:56
S12	381	(heater same lead) same (Integrated same circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:56
S13	0	S7 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:56
S14	2499	(heater same lead) and (Integrated same circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:58
S15	4	S7 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:56
S16	2806	(heater) same (integrated with circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:58
S17	5	S7 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 09:58
S18	8	("4505539"   "4988157"   "5280012"   "5453494"   "5653008"   "5699462"   "6055344"   "6229640").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 10:00
S19	1	S18 and (ink with jet)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 10:00
S20	53	((lead with (first and second)) same (ground and insulat\$3)) same heater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 10:33
S21	302	((((lead connect\$3 layer) with (first and second)) same (ground and insulat\$3)) same heater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:02
S22	64573	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 10:34
S23	11	S21 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 10:34

## EAST Search History

S24	4	("4528574"   "4695853"   "4866460"   "6079811").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 10:35
S25	61	((lead connect\$3 layer) with (first and second and third)) same (ground and insulat\$3)) same heater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:02
S26	64573	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:02
S27	374	((lead connect\$3 layer) with (multiple plural\$3 (first and second and third))) same (ground and insulat\$3)) same heater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:12
S28	0	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:04
S29	13	S27 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:04
S30	4	("4528574"   "4695853"   "4866460"   "6079811").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 12:11
S31	175653	((lead connect\$3 layer contact) with (conduct\$3 electric\$4)) same (first and second and third)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:13
S32	3935	((lead connect\$3 layer contact) with (conduct\$3 electric\$4)) same (first and second and third)) same heater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:17
S33	23253	((lead connect\$3 layer contact) with (conduct\$3 electric\$4)) same (first and second and third)) same (heater resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:14
S34	1146	S26 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:14
S35	107	S26 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:17
S36	14	("4532530"   "4947192"   "4951063"   "5081473"   "5157418"   "5844586"   "5980025"   "6013160"   "6120135"   "6139131"   "6252617"   "6310639"   "6315398"   "6331049").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 12:30

## EAST Search History

S37	12699	((resis\$3 heater) with (multiple plural\$3)) same (area region)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:53
S38	540	S26 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:44
S39	444	347/61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:44
S40	52	S39 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:44
S41	34163	(multiple plural\$3) with (current with (flow path))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:54
S42	4828	((multiple plural\$3) with (current with (flow path))) same (heater resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:56
S43	6	S39 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:54
S44	2787	((multiple plural\$3) with (current adj (flow path))) same (heater resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:03
S45	36	S26 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 12:56
S46	2943	(current adj (flow path flux density) with (multiple (first and second and third))) same (heater resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:07
S47	550	S46 and (integrated adj circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:05
S48	4	S26 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:05

## EAST Search History

S49	124	(current adj (flow path flux density) with (multiple (first and second and third))same insulat\$3) same (heater resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:13
S50	17	((resistive adj (area region)) with (wire lead)) same insulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:15
S51	1	S26 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:14
S52	1	2005-415893.NRAN.	DERWENT	OR	ON	2006/01/05 13:15
S53	29	((resistive with (area region)) with (wire lead)) same (insulat\$3 and heater)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:16
S54	8	("4313124"   "4339762"   "4345262"   "4567493"   "4695853"   "4792818"   "4914562"   "5021806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 13:36
S55	5	abe.in. and 347/62	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 13:39
S56	1	"4914562".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 13:38
S57	5	abe.in. and 347/62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:39
S58	7	("5650807").URPN.	USPAT	OR	ON	2006/01/05 13:44
S59	23	("4413275"   "4521788"   "4611219"   "4630076"   "4683481"   "4712172"   "4723129"   "4847639"   "4894664"   "4914562"   "4914736"   "4969759"   "5148185"   "5156377"   "5156470"   "5156471"   "5156472"   "5156473"   "5174665"   "5221148"   "5328279"   "5367324"   "5421658").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 13:49
S60	481	347/62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:50
S61	450	S60 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/05 13:50
S62	17	("4339762"   "4514741"   "4792818"   "4862197"   "4870433"   "4935752"   "5083137"   "5206659"   "5293182"   "5428376"   "5455613"   "5486848"   "5521622"   "5636441"   "5673069"   "5726690"   "5808640").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 14:30
S63	6	("6227640").URPN.	USPAT	OR	ON	2006/01/05 14:34
S64	32	("4870433").URPN.	USPAT	OR	ON	2006/01/05 14:35
S65	15	("20020008734"   "4339762"   "4712930"   "4725859"   "4870433"   "4914562"   "4947189"   "4947193"   "5559543"   "5639386"   "5694191"   "5808640"   "6123419"   "6139130"   "6276775").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 14:36
S66	3	("4988157"   "5699462"   "5978527").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 08:27

## EAST Search History

S67	3	("4988157"   "5699462"   "5978527").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 08:34
S68	1499	257/363,379,516.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:12
S69	66395	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:13
S70	8	S68 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:15
S71	650	(heater with design) same resistiv\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:16
S72	0	S68 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:15
S73	156	S69 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:16
S74	0	(heater with design) same (third with resistiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:16
S75	52	(heater with design) and (third with resistiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:16
S76	10	S69 and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:18
S77	689	(heat\$3 first second third conduct\$3 resistiv\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/30 10:18
S78	327	(heat\$3 first second third conduct\$3 resistiv\$3 insulat\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/30 10:19

## EAST Search History

S79	19	S69 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/30 10:27
S80	608	(((first second third) with resistiv\$3) Insulat\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/30 10:34
S81	16	S68 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/30 10:28
S82	115	(((first second third) with resistiv\$3) Insulat\$3 heat\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/30 10:36
S83	1	S68 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/30 10:34